| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|---|---|---|---|---|---|---|
| 1 | IS&R | L1 | 7 | (("5338358") or ("5244787") or ("5232667") or ("5068091") or ("5023187") or ("4731335") or ("4401625")).PN. | USPAT | 2003/12/10 16:41 |
| 2 | IS&R | L2 | 5 | (("4731335") or ("4777020") or ("5002736") or ("4985206") or ("5068091")).PN. | USPAT | 2003/12/10 16:54 |
| 3 | BRS | L3 | 1 | 1 and (inductor or induction) | USPAT | 2003/12/10 16:58 |
| 4 | BRS | L4 | 0 | 2 and (inductor or induction) | USPAT | 2003/12/10 16:58 |
| 5 | BRS | L5 | 2026 | ((inductor or induction) with heat$3) and (specimen or tissue) | USPAT; EPO; JPO; DERWENT | 2003/12/10 17:57 |
| 6 | BRS | L6 | 16 | 5 and ((support$3 with member) or carrier) and (cartridge or (cover near plate)) | USPAT; EPO; JPO; DERWENT | 2003/12/10 17:10 |
| 7 | BRS | L7 | 59 | 5 and (cartridge or (cover near plate)) | USPAT; EPO; JPO; DERWENT | 2003/12/10 18:03 |
| 8 | BRS | L8 | 478 | 5 and biological | USPAT; EPO; JPO; DERWENT | 2003/12/10 17:58 |
| 9 | BRS | L9 | 456 | 8 not 7 | USPAT; EPO; JPO; DERWENT | 2003/12/10 18:04 |
| 10 | BRS | L10 | 13 | 9 and (induction near coil$1) | USPAT; EPO; JPO; DERWENT | 2003/12/10 18:13 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|---|---|---|---|---|---|---|
| 11 | BRS | L11 | 254 | 9 and (induction near heat$3) | USPAT; EPO; JPO; DERWENT | 2003/12/10 18:13 |
| 12 | BRS | L12 | 246 | 11 not 10 | USPAT; EPO; JPO; DERWENT | 2003/12/10 18:46 |
| 13 | BRS | L13 | 10 | ("4545368" \| "4657543" \| "4662359" \| "4735796" \| "4767611" \| "4827945" \| "5019372" \| "5152758" \| "5226902" \| "5366454").PN. | USPAT | 2003/12/10 18:40 |
| 14 | BRS | L14 | 613 | 219/635 | USPAT; EPO; JPO; DERWENT | 2003/12/10 18:46 |
| 15 | IS&R | L15 | 338 | (219/635).CCLS. | USPAT | 2003/12/10 18:46 |
| 16 | IS&R | L16 | 124 | (219/647).CCLS. | USPAT | 2003/12/10 18:48 |
| 17 | IS&R | L17 | 540 | (435/440).CCLS. | USPAT | 2003/12/10 18:48 |
| 18 | IS&R | L19 | 464 | (604/890.1).CCLS. | USPAT | 2003/12/10 18:49 |
| 19 | IS&R | L20 | 747 | (210/634).CCLS. | USPAT | 2003/12/10 18:49 |
| 20 | IS&R | L21 | 0 | ("14or15or16or17or18or19or20").PN. | USPAT | 2003/12/10 18:50 |
| 21 | BRS | L22 | 2349 | 14 or 15 or 16 or 17 or 18 or 19 or 20 | USPAT | 2003/12/10 18:51 |
| 22 | BRS | L23 | 10 | 22 and ( induction with (heat$3 or coil$1)) and specimen | USPAT | 2003/12/10 18:59 |
| 23 | BRS | L24 | 9 | ( induction with (heat$3 or coil$1)) and (biological near specimen) | USPAT | 2003/12/10 19:03 |
| 24 | BRS | L25 | 0 | 219/$.ccls. and (( induction with (heat$3 or coil$1)) with (biological near | USPAT | 2003/12/10 19:04 |
| 25 | BRS | L26 | 2811 | 219/$.ccls. and (( induction with (heat$3 or coil$1)) ) | USPAT | 2003/12/10 19:04 |
| 26 | BRS | L27 | 0 | 26 and ( (biological near specimen)) | USPAT | 2003/12/10 19:04 |

DERWENT-ACC-NO: 2001-147407

DERWENT-WEEK: 200347



TITLE: Controlling temperature of biological specimen fixed to solid carrier with capture probes e.g. microscope slide by subjecting to oscillating magnetic field

INVENTOR: ADELHORST, K; WINTHER, L

PATENT-ASSIGNEE: DAKO AS[DAKON]

PRIORITY-DATA: 1999DK-0001044 (July 21, 1999)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---|---|---|---|---|
| JP 2003520945 W | July 8, 2003 | | 044 | G01N 001/28 |
| WO 200107890 A2 | February 1, 2001 | | 043 | G01N 001/44 |
| AU 200059679 A | February 13, 2001 | | 000 | G01N 001/44 |
| EP 1204851 A1 | May 15, 2002 | | 000 | G01N 001/44 |

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---|---|---|---|---|
| JP 2003520945 W | July 8, 2003 | | 044 | G01N 001/28 |
| WO 200107890 A2 | February 1, 2001 | | 043 | G01N 001/44 |
| AU 200059679 A | February 13, 2001 | | 000 | G01N 001/44 |
| EP 1204851 A1 | May 15, 2002 | | 000 | G01N 001/44 |

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

APPLICATION-DATA:

| PUB-NO | APPL-DESCRIPTOR | APPL-NO |
|---|---|---|

| | APPL-DATE | |
|---|---|---|
| JP2003520945W | N/A | |
| 2000WO-DK00417 | July 21, 2000 | |
| JP2003520945W | N/A | |
| 2001JP-0512270 | July 21, 2000 | |
| JP2003520945W | Based on | WO 200107890 |
| N/A | | |
| WO 200107890A2 | N/A | |
| 2000WO-DK00417 | July 21, 2000 | |
| AU 200059679A | N/A | |
| 2000AU-0059679 | July 21, 2000 | |
| AU 200059679A | Based on | WO 200107890 |
| N/A | | |
| EP 1204851A1 | N/A | |
| 2000EP-0945675 | July 21, 2000 | |
| EP 1204851A1 | N/A | |
| 2000WO-DK00417 | July 21, 2000 | |
| EP 1204851A1 | Based on | WO 200107890 |
| N/A | | |

INT-CL (IPC): B01L007/00, G01N001/28 , G01N001/44 , G01N033/48 , G02B021/34

ABSTRACTED-PUB-NO: WO 200107890A

BASIC-ABSTRACT:

NOVELTY - Method for controlling the temperature of a specimen fixed to or in contact with a solid carrier with capture probes comprises subjecting the support to induction heating by exposing the support (which comprises a conducting material) to an oscillating magnetic field

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(1) a method for performing an automatic or semi-automatic assay of specimens fixed on a microscope slide which comprises placing the slide in a cartridge comprising an inner layer of conductive material (or having an inner wall incorporating conductive material) and placing the cartridge in an induction coil through which an alternating current is passed to

generate a magnetic
field;

(2) a method for controlling the temperature of a specimen (or capture probe)
fixed onto microbeads made of an electrically-conductive material which
comprises entraining the beads in a liquid flow which is passed through an
oscillating magnetic field; and

(3) a solid support in combination with a carrier for a biological specimen or
capturing probes for a sample to be tested or treated in which the support is
at least partly of a glass or polymer material and the support comprises an
electrically-conductive material.

USE - For controlling temperature of a biological specimen, in solid or liquid
state fixed to a carrier such as microscope slide. The device may be useful in
immunohistochemical procedures or in in situ hybridization of special strains
(claimed).

ADVANTAGE - The heat regulation is fast simple and precise and is not hazardous
to health.

DESCRIPTION OF DRAWING(S) - The drawing shows a cross-section of a cartridge
with a microscope slide

Cartridge 1

Slide 2

Specimen 3

Metal membrane 5

Compartments 6,7

Induction coil 8

CHOSEN-DRAWING: Dwg.1/5

TITLE-TERMS: CONTROL TEMPERATURE BIOLOGICAL SPECIMEN FIX SOLID CARRY CAPTURE
PROBE MICROSCOPE SLIDE SUBJECT OSCILLATING MAGNETIC FIELD

DERWENT-CLASS: A89 B04 J04 P81 S03

CPI-CODES: A99-A; B04-C03; B11-C07A7; B12-K04; J04-B01;

EPI-CODES: S03-E13D;

CHEMICAL-CODES:
Chemical Indexing M6 *01*
Fragmentation Code
M905 P831 Q120 Q435 R515 R526 R527 R528 R627 R639

Chemical Indexing M1 *02*
Fragmentation Code
M423 M424 M740 M750 M905 N102 Q120 Q435
Specfic Compounds
A00GTK A00GTA

Chemical Indexing M1 *03*
Fragmentation Code
M423 M424 M740 M781 M905 N102 P831 Q435
Specfic Compounds
A00I9K A00I9D

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C2001-043697
Non-CPI Secondary Accession Numbers: N2001-107889